



Performance Data Sheet

AGA5553EXH

General Information

Model	AGA5553EXH	Refrigerant	R-22
Test Condition	ASHRAE	Performance Test Voltage	575V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	3PH

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-15	Btu/h	15800	15000					
	Watts	2500	2310					
	Amps	2.90	2.69					
	Lb/h	217	196					
-10	Btu/h	17700	16500	15200				
	Watts	2680	2520	2370				
	Amps	3.10	2.92	2.75				
	Lb/h	240	218	195				
-5	Btu/h	20200	18600	16900	15300			
	Watts	2860	2730	2620	2500			
	Amps	3.29	3.16	3.02	2.89			
	Lb/h	271	247	222	198			
0	Btu/h	23300	21300	19300	17300	15300		
	Watts	3030	2940	2860	2770	2690		
	Amps	3.48	3.38	3.29	3.19	3.10		
	Lb/h	309	283	257	231	205		
5	Btu/h	27000	24600	22200	19800	17500		
	Watts	3200	3150	3090	3040	2990		
	Amps	3.66	3.60	3.54	3.48	3.43		
	Lb/h	353	325	298	270	243		
10	Btu/h	31400	28600	25800	23000	20200	17500	14700
	Watts	3360	3340	3330	3310	3290	3270	3250
	Amps	3.84	3.81	3.79	3.77	3.75	3.73	3.71
	Lb/h	404	375	346	317	288	259	231
15	Btu/h	36300	33100	30000	26800	23700	20500	17300
	Watts	3520	3540	3550	3570	3580	3600	3620
	Amps	4.00	4.01	4.03	4.05	4.07	4.09	4.11
	Lb/h	462	431	401	370	340	310	279
20	Btu/h	41800	38300	34700	31200	27700	24100	20600
	Watts	3670	3720	3770	3820	3870	3920	3980
	Amps	4.14	4.20	4.26	4.32	4.38	4.43	4.49
	Lb/h	526	494	462	431	399	367	335

25	Btu/h	47900	44000	40100	36200	32300	28400	24400
	Watts	3810	3900	3990	4070	4160	4240	4330
	Amps	4.28	4.38	4.48	4.58	4.67	4.77	4.87
	Lb/h	596	563	530	497	464	431	397
30	Btu/h	54500	50300	46000	41700	37500	33200	28900
	Watts	3950	4070	4190	4320	4440	4560	4680
	Amps	4.40	4.54	4.68	4.82	4.96	5.10	5.24
	Lb/h	673	639	604	570	536	501	466
35	Btu/h	61700	57100	52500	47900	43200	38600	33900
	Watts	4070	4230	4390	4550	4710	4860	5020
	Amps	4.50	4.68	4.87	5.05	5.23	5.41	5.59
	Lb/h	755	720	685	649	614	578	542
40	Btu/h	69400	64500	59500	54600	49600	44600	39600
	Watts	4180	4380	4580	4770	4970	5160	5350
	Amps	4.58	4.81	5.04	5.27	5.49	5.71	5.93
	Lb/h	843	807	771	735	698	661	624
45	Btu/h	77700	72400	67100	61800	56500	51100	45700
	Watts	4280	4520	4750	4990	5220	5450	5680
	Amps	4.64	4.92	5.19	5.46	5.73	6.00	6.26
	Lb/h	936	900	863	826	788	750	712
50	Btu/h	86500	80900	75300	69600	63900	58200	52500
	Watts	4370	4640	4920	5190	5460	5730	5990
	Amps	4.68	5.00	5.33	5.64	5.96	6.27	6.58
	Lb/h	1040	998	960	922	884	845	806
55	Btu/h	95800	89900	83900	77900	71900	65900	59800
	Watts	4440	4760	5070	5380	5690	6000	6300
	Amps	4.69	5.07	5.44	5.80	6.16	6.52	6.87
	Lb/h	1140	1100	1060	1020	986	946	907

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.976404E+04	3.756025E+03	4.322736E+00	5.223784E+02
C2	1.283358E+03	-2.137642E+01	-2.689232E-02	1.039499E+01
C3	-2.073975E+02	-9.259260E+00	-1.079535E-02	-2.702672E+00
C4	1.120754E+01	-1.903400E-01	-3.245327E-04	1.198916E-01
C5	-7.197902E+00	7.260134E-01	8.464068E-04	-2.237446E-02
C6	9.081284E-03	9.176226E-04	1.507435E-06	1.580676E-04
C7	-1.223214E-02	-1.236002E-03	-2.030456E-06	-2.129108E-04
C8	1.210191E-02	1.222843E-03	2.008839E-06	2.106441E-04
C9	-3.426958E-03	-3.462786E-04	-5.688530E-07	-5.964916E-05
C10	1.641111E-04	1.658268E-05	2.724138E-08	2.856494E-06

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature